

# Confined Space Entry Lesson Guide #10

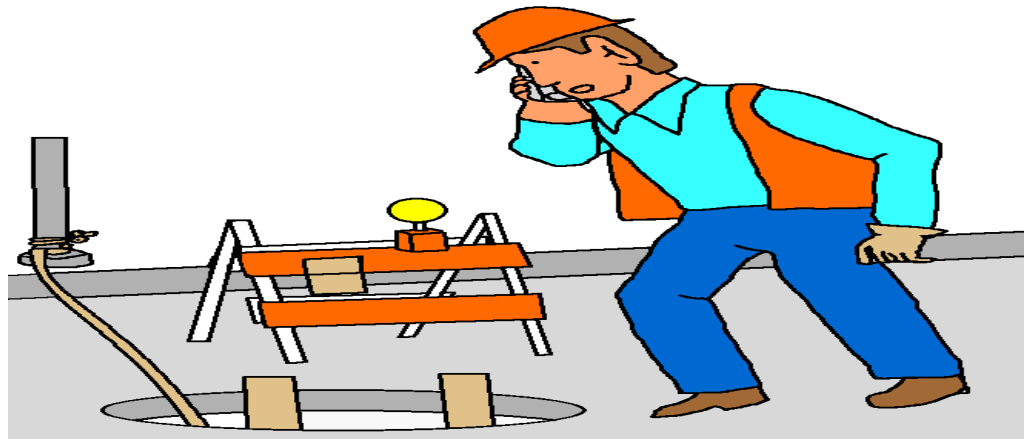


# OBJECTIVES: *Upon completion of this topic you will be able to:*

- Describe what a confined space is.
- Identify confined space hazards.
- Describe the Navy's Confined Space Entry Program policy.
- Identify the Confined Space Entry Program elements.
- Identify the requirements for confined space work and special requirements.

# By Definition

- confined space
  - not designed for routine entry
  - poor ventilation
  - limited means of egress



# What is a confined space?

- storage tanks
- process vessels
- pits
- vats
- boilers
- fuel cells
- sewers
- tunnels
- manholes

# Hazards may include

- too little oxygen
- too much oxygen
- explosive or flammable vapors
- toxic materials

# Physical Hazards

- slippery surfaces
- obstructed passages
- deteriorated facilities
- equipment requiring energy isolation

# Enqulfment



Poor Illumination

# Navy Policy

- all confined spaces are hazardous
- entry prohibited until evaluated
  - Confined Space Program Manager (CSPM)
  - appropriate safety precautions established



# Applicability

- all non-maritime Navy installations
- shipyards and intermediate maintenance activities are exempt
- non-maritime work at maritime activities may follow OPNAVINST 5100.23F Chapter 27

# Management

- CSPM shall be appointed in writing by the Commanding Officer
- CSPM is responsible for the implementation of the Confined Space Entry (CSE) Program
- smaller activities may utilize CSPM from larger activities

# Basic Program Elements

- Identification & Preliminary Evaluation
- Prevention of Unauthorized Entry
- Comprehensive Hazard Evaluation - performed by the CSPM
- Issuance of Confined Space Entry Permits
- Training and Qualifications
- Program evaluation

# Requirements for Confined Space Entry Work

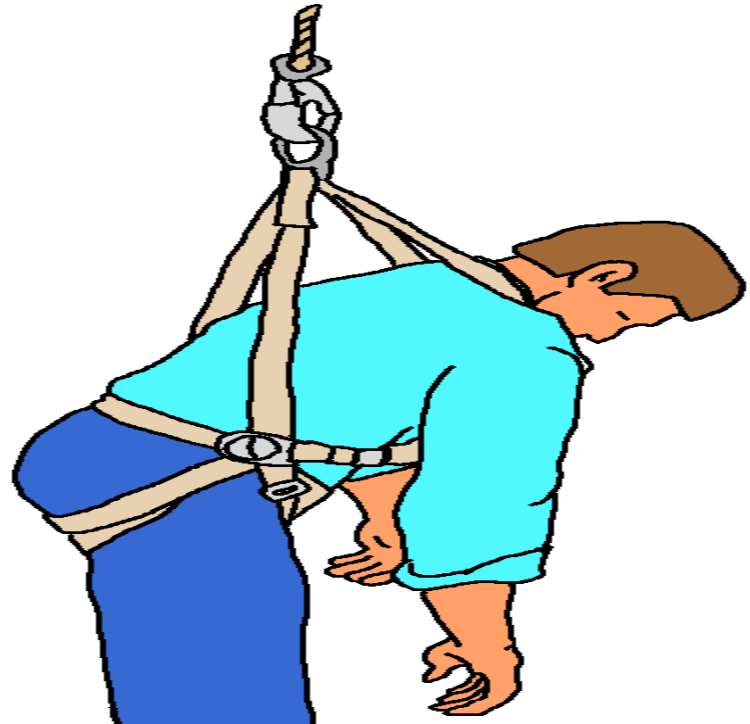
- PPE
  - CSPM/ACSPM and Safety Specialist/Industrial Hygienist
- preparation of spaces
  - protection from external hazards
  - ventilation
  - space cleaning

# Special Precaution

- hot work
- aircraft fuel cell repair

# CSPM shall prepare a written emergency plan

- written for each confined space
- at time of entry
- CO approval



# Contractor Operations

- no Navy equipment
- issue no certificates to contractors
- combined operations will have separate certificates issued
- contracting officer is responsible for ensuring contract personnel are qualified

# Confined Space Entry Permit

## SHALL CONTAIN:

- Description and location
- Purpose of entry
- Authorized entry personnel
- Pre-entry atmospheric test data
- Follow-up test requirements and data
- Other required safety precautions



# Confined Space Entry Permit

## SHALL CONTAIN:

- Emergency instructions and required emergency/rescue equipment
- Date of permit and authorized duration
- Expiration data and time of permit
- Signature of CSPM (or ACSPM)
- Signature of entry supervisor

# Responsibilities

- Commanding Officer - establish, conduct, and evaluate a comprehensive confined space entry program

# Responsibilities

- Confined Space Program Manager
  - implement the Confined Space Entry Program

# Responsibilities

- Line Managers - ensure confined spaces are identified and evaluated

# Responsibilities

- Entry Supervisors - familiar with OPNAVINST 5100.23F Chapter 27 requirements

# Responsibilities

- Attendants - mandatory for all confined space entries

# Responsibilities

- Entrants - authorized by the entry supervisor to enter the PRCs



**PERMIT REQUIRED  
CONFINED SPACE**

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**DO NOT ENTER**

# Review and Summary

